

Region 6 Sample Control Center, e-mail to warren.christy@epa.gov or to perez.myra@epa.gov

REQUEST FOR LABORATORY SAMPLE ANALYSES

Site Name: Falcon Refinery Superfund Site	City/State: Ingleside, Texas	CERCLIS #:TXD086278058
GPRA Account #:	Site Spill ID #	Type of Investigation/Purpose: Remedial Investigation
EPA SAM, RPM, OSC: Brian Mueller - RPM	Analytical Turnaround Time	Type of Contract: RACS II
Mail Code: <u>6SF-RL</u>	Region 6 Lab: 35 <u>X</u>	Contractor: : EA Engineering
Telephone #: 214-665-7176 Cell Phone # 214-392-1844	CLP Organics: 7 <u> </u> 14 <u> </u> 21 <u>X</u> CLP Inorganics: 7 <u> </u> 14 <u> </u> 21 <u>X</u>	Shipping Contact: Bob Owens
Fax #: 214-665-6660	Are preliminary results required? 48 hrs VOA () Yes (X) No 72 hrs Extractables () Yes (X) No 72 hrs Inorganics () Yes (X) No	Telephone #: 972-315-3922
Potential Enforcement Action? (X) Yes () No	Requires justification and prior approval.	On Site Ph #:
		E-Mail address: rowens@eaest.com
		Date Sample Control Center Received Request For Sample Analysis:
Proposed Sampling Period: 16 September 2013		

Please assure that this request for analytical services has been signed and dated by the appropriate Site Assessment Manager, Remedial Project Manager, or On Scene Coordinator. Please assure that the Sample Control Center has a copy of all relevant Quality Assurance Project Plans (QAPPs) and Sampling and Analysis Plans (SAPs).

Is the QAPP, QASP, SAP, O&M Plan, GWMP, DAW, or other relevant plan being submitted with this Request For Sample Analyses? X Yes Previously Submitted

If no, please explain (expected date of submission etc.):

Signature of EPA Site Assessment Manager (SAM), Remedial Project Manager (RPM), or On Scene Coordinator (OSC) to signify approval of this analytical service request.

Signature: _____ Date: 7/16/13

1. General description of analytical services requested: (QA/R5 - Element B1)

Matrix	Analysis	Number of Samples (without QC) high/low conc	Field QC Samples	
			How many?	Type?
Solid	SOM01.2/Low Soil VOA	140 (including duplicates)		
Solid	SOM01.2/Low Soil by SIM SVOA	140 (including duplicates)		
Solid	ISM01.3/ICP-AES TAL Metals and Mercury (CVAA)	140 (including duplicates)		
Solid	Total Organic Carbon (Walkley Black)	140 (including duplicates)		
Solid	Particle Size (ASTM International D422)	140 (including duplicates)		
Water	SOM01.2/Trace Water VOA	8 (including duplicates)		
Water	SOM01.2/Trace Water by SIM VOA	40 (including duplicates)		
Water	SOM01.2/Low Water by SIM SVOA	47 (including duplicates)		
Water	ISM01.3/ICP-AES TAL Metals and Mercury (CVAA)	10 (including duplicates)		
Water	ISM01.3/ICP-MS TAL Metals and Mercury (CVAA)	37 (including duplicates)		
Water	ISM01.3/ICP-MS Dissolved Metals	37 (including duplicates)		
Water	Total Suspended Solids SM 2540D	37 (including duplicates)		

Additional description (areas where samples are being collected etc.):

Sediment and surface water sample will be collected from the Wetlands and Intracoastal Waterway at Falcon Refinery. Surface and subsurface soil samples will be collected throughout the site. Water samples

associated with these soil samples include trip blanks and equipment rinsates.

2. Analytical protocol required (analytical method & method number, extraction or digestion method & method number, CLP SOW reference, for each matrix if required, etc.): (QA/R5 - Element B4)

Current CLP methods (08/28/12) are: Organics by SOM01.2, Inorganics by ISM01.3

Matrix	Analysis	Methods
Solid	VOCs	SOM01.2/Low Soil
Solid	SVOCs	SOM01.2/Low Soil by SIM
Solid	TAL Metals and Mercury	ISM01.3/ICP-AES
Solid	TOC	Walkely Black
Solid	Particle Size	ASTM International D422
Water	VOCs	SOM01.2/Trace Water
Water	VOCs	SOM01.2/Trace Water by SIM
Water	SVOCs	SOM01.2/Low Water by SIM
Water	TAL Metals and Mercury	ISM01.3/ICP-AES
Water	TAL Metals and Mercury	ISM01.3/ICP-MS
Water	Dissolved Metals	ISM01.3/ICP-MS
Water	Total Suspended Solids	SM 2540D

Additional Information:

Complete the following information if Method 5035 for VOA soils has been requested:

	# of low conc. soils	# of medium conc. soils		Type of Vials	# of low conc. soils	# of medium conc. soils
	107 (Encore)			Pre-Weighed	33	

3. CLP Modified Analysis Clause - The latest Statement of Works (SOWs), includes a modified analysis clause. The modified analysis allows the regions to request minor changes to current SOW analytical methods in order to meet specific field site requirements. The changes are limited in scope and must be approved by the EPA CLP Program Manager and Contracting Officer before implementation. Information must be submitted **three weeks** prior to the sampling event. The information the client must submit three weeks prior to the sampling event are; Lab Request Form and the approved sampling plan/QAPP.
4. Analytical results required (specify laboratory documentation and reporting requirements, reporting units, format requirements, etc.): (QA/R5 - Elements A6 and B4) CLP analyses or EPA Houston laboratory: Full data packages and EDDs according to protocols. PDF file is requested.
5. Data requirements (reporting limits; per analyte per matrix; reporting units; applicable reference levels, etc.): (QA/R5 - Elements A7, B1, and B4) (Attach extra pages if necessary) For CLP capabilities - <http://www.epa.gov/superfund/programs/clp/facts.htm>, For Region 6 Laboratory capabilities - <http://www.epa.gov/earth1r6/6lab/r6lab.htm>

Note: Samples submitted to the CLP for analysis must be low or medium concentration, single phase,

homogenous (not oily), soil, sediment, or water. Also, samples with matrix related problems (oily material, high concentration of compounds, etc.) and/or high moisture content will raise the method CRQL's.

- a. Compounds/chemicals of concern (Action levels etc.) – **Required information – List the compounds/analytes driving the investigation and the action level required to meet DQO's.**

Parameters	Action Levels / Detection Limits	
	water (µg/L)	soil (mg/kg)
Chemicals of concern have not been designated yet. Action levels required to meet DQOs for all analytes being analyzed for are presented in Appendix A of the QAPP Addendum.		

6. QC Requirements (PE samples & frequency, spikes, duplicates, blanks, & frequency)

QC Type	Frequency	QC Limits
MS/MD	1 per 20	
MS/MSD	1 per 20	

7. Data Review Options (For CLP generated data only)

Data review options apply only to data acquired through the CLP. See Attachment 5 (Region 6 Organic/Inorganic Data Review Options).

Data turnaround times refer to calendar days.

Mark the level of data assessment needed:

- ☒ Level 2 – Region 6 Standard (7 day turnaround)*
☐ Level 1 – Modified CADRE (3 day turnaround)*

*** Plus 1 - 5 days for processing and mailing.**